Approved for use through 10/31/2002,0MB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

_ ;	Substitute for form 1449B/PTO			Complete if Known			
				Application Number	Not Yet Assigned 1/23		
	INFORMATIC	ON DISC	CLOSURE	Filing Date			
	STATEMENT	BY AF	PLICANT	First Named Inventor	John B. Sheehan		
				Group Art Unit	N/A		
	(use as many	sheets as ne	cessary)	Examiner Name	Not Yet Assigned		
Shee	t 2=	of	**	Attorney Docket Number	HO-P02296US1		

· ·		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
xaminer	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s),	T
itials	No.1	publisher, city and/or country where published.	['
	1	CORMEN, T.H. ET AL., Contents - Introduction to Algorithms, 1994, 19 pp., MIT	
	G	SANCHEZ, C. ET AL., Relative amplification efficiency of differently sized templates by long	+
		dictance PCR, BioTechniques, Mar. 1998, pp. 400-402, vol. 24, no. 3.	Г
	1		F
		BARNES, W.M., PCR amplification of up to 35-kb DNA with high fidelity and high yield from A	T
		bootenophage, Proc. Natl. Acad. Sci. USA, Mar. 1994, pp. 2216-2220, vol. 91, Genetics	₽
	+	CHENC, S., ET AL., Effective amplification of long targets from cloned inserts and human	╄
		genemic DNA, Proc. Natl. Acad. Sci. USA, Jun. 1994, pp. 5695-5699, vol. 91, Genetics	士
	J	COHEN, JON, 'Long PGR' leaps into larger DNA sequences, SCIENCE, 03/18/94, pp. 1564-	\vdash
		1565, vol. 263	╁
	K	Univ. of Washington Genome Center, 8 pp. printed 11/26/01 from	Т
SiM		www.genome.washington.edu.	1
		CHENG, S., ET AL., Long PGR, NATURE, 06/23/94, pp. 684-685, vol. 369.	F
	M	ZHANG, L-H, ET AL., Long-distance PCR-based strategy for preparing knock in vectors directly	\perp
		from ES cell genomic DNA, BioTechniques, Nov. 1998, pp. 784-788, vol. 25.	L
	NI.	LOUKIANOV, E.V., ET AL., Identification of targoted embryonic stem cells using long distance	H
		PCR, BioTochniques, Sopt. 1997, pp. 376-380, vol. 23.	Т
	o		-
	<u></u>	TAYLOR, G.R., ET Al., The polymerase chain reaction: from functional genomics to high	T
		school practical classos, Current Opinion in Biotechnology, 1999, pp. 35-42, vol. 9, Current	1
		Biology Ltd.	L
	Ρ	MIN, G-S, ET AL., Long-distance-genome walking using the long and accurate polymerase	╁
		chain reaction, BioTechniques, 1008, pp. 398-399, vol. 24, no. 3.	t
	Q	SOROKIN, A., ET AL., A new approach using multiplex long accurate PCR & yeast artificial	F
		chromosomos for bacterial chromosomo mapping & sequencing, GENOME RESEARCH, 1996,	┝
		pp. 448-453, vol. 6, Cold Spring Harber Lab. Press.	╆
	R	OHYA, Y., LA-PCR-based quick method for identification of genes responsible for	-
		complementation of saccharomycos cerevisiae mutations, BieTechniques, May 1996, pp. 772-	╄
		778, vol. 20, no. 5.	╀
	<u>s</u>	CHENG, S., ET AL., XL PCR amplification of long targets from genomic DNA, Methods in	‡
		Molecular Biology, pp. 17 29, vol. 67: PGR Cloning Protocols: From Molecular Cloning to	L
		Genetic Engineering, Humana Press Inc.	L
		FOORD, O.S., ET AL., Long distance PCR, PCR Mothede & Applications, 1004, pp. S140	H
	-		Τ
		S161, vol. 3, Cold Spring Harbor Lab.	1
		OHLER, L.D., ET Al., Optimization of long distance PCR using a transposon-based model	†-
		system, PCR Method & Applications, 1992, pp. 51-59, vol. 2, Cold Spring Harber Lab. Press.	t
	V	PONCE, M.R., ET AL., RCR amplification of long DNA fragments, Nucleic Acid Research, 1992,	╁╌
		pp. 623, vol. 20, no. 3, Oxford Univ. Press.	t
	₩	LINDBERG, A.M., ET AL., Amplification & closing of complete enterovirus genomes by long	F
		distance PCR, Journal of Virological Mothodo, 1997, pp. 191-199, vol. 65, Elsevier Science BV.	╀
	X	AKASAKA, T., ET AL., Long distance polymerase chain reaction for detection of chromosome	F
		translocations in B-cell lymphoma/leukemia, LEUKEMIA, APR. 1997, cover page & pp. 316-317,	Ļ
		vol. 11, supp. 3.	L
	<u>v</u>	TAKITA, Y., ET AL., Applications of long & accurate polymerase chain reaction method in yeast-	£
		molecular biology: direct sequencing of amplified DNA and its introduction into yeast, YEAST,	Γ
			Τ
	-	1997, pp. 763-768, vol. 13, John Wiley & Sone, Ltd.	۲
		HENGEN, P.H., Optimizing multiplex & LA PCR with betaine, TiBS, 1997, cover & pp. 225-226,	٢
		1997, vol. 22, Int'l. Union of Biochemistry & Elsevier Trends Journal.	+-
	ΑΑ	Long range PCR: synthesis of products independent of size, TIG, Nov. 1996, cover & p. 458,	+-

25111182.1 10107967/1011N-1 C. Muld _ September 73, 2583. EXPRESS MAIL #EU186312650US

PTO/SB/08B (10-01)
Approved for use through 10/31/2002.OMB 0651-0031
U. S. Petent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number.

Substitute for form 1449B/PTO				Complete if Known				
300501	ate for form 144360	-10		Application Number Not Yet Assigned 1631				
INF	ORMATION	ON DISC	CLOSURE	Filing Date				
			PLICANT	First Named Inventor	John B. Sheehan			
•		,		Group Art Unit	N/A			
	(use as man	y sheets as ned	essary)	Examiner Name	Not Yet Assigned			
Sheet	3-	of		Attorney Docket Number	HO-P02296US1			

	AB	MAGA, E.A., ET AL., Amplification of a 9.0-kb fragment using PGR, BioTechniques, Jul. 1991,
		index & pp. 185-186, vel. 11, no. 1, Eaton Publishing Co.
	AC	LAY, J.M., ET AL., Rapid confirmation of gene targeting in embryonic stem cells using two long
<u></u>		range PCR techniques, Transgenio Research, 1998, pp. 135-140, vol. 7, Chapman & Hall;
	AD-	LUTHRA, R., ET AL., Mapping of genomic t(2:5)(p23;q35) break points, Hematopathology
		& Molecular Hometology, 1998, pp. 173-183, vol. 11 (384), Marcel Dekker, Inc.
	AE	AKASAKA, T., ET AL., Polymerase chain reaction amplification of long DNA targets , Int'l
		Journal of Oncology, 1998, pp. 113-121, vol. 12.
	AF	HENGEN, P.N., Long and accurate PGR, TiBS, 1994, cover & pp. 341-342, vol. 19, Int'l Union
		of Biochemistry & Elsevier Trends Journal.
	AG	Repbase update, Genetic Information Research Institute, 2001, 4 pp. printed 11/26/01 from
C414	1	www.girinst.org.
1	AH	Virtual Genome Center info., Info. about xprimer, 4. pp. printed 11/26/01 from
}		alces.med.umn.edu.
	Al	Primer3, 5 pp. printed 11/26/01 from www-genome.wi.mit.edu.
l -₩	AJ	Long PCR reagents & guidelines, 3 pp. printed 06/15/2000 from twod.med.harvard.edu.
	AK	Expand long template PCR system, Specification, ROCHE, Jun. 1999, 4 pp., vers. 3.
	AI	Expand long template PCR system, Specification, ROCHE, Sept. 1999, 5 pp., vers. 4.
	ΛK	Long range PCR using the expand long template PCR kit, BOEHRINGER MANNHEIM, 2 pp.
14101	AJ	Tools for data mining, NCBI GenBank, 4 pp. printed 11/26/01 from www.ncbi.nlm.nih.gov.
Com	AK	Electronic PCR, NCBI GenBank, 2 pp. printed 11/26/01 from www.ncbi.nlm.nih.gov.
<u> </u>	1,	Triodicine, endition conserving the branch of the property of

	 	, ,	/ <u></u>	LOsts	7 7	A.	7/	1
Examiner	H /	/ /		Date		4-1	′/	. ا
	 N A A	′ √ —	-	Considered	1201	1/4(100 ZZ Ze	めのロ
Signature				1 000000000	1201	<u>vzmv</u>	276-5	1 ,
		•				•		
	-							

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). 2Applicant is to place a check mark here if English language Translation is attached.